

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	526	(219/548).ccls.	USPAT	OR	OFF	2007/10/26 10:51
L2	14	1 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 11:14
L3	3665	(219/534 or 219/540 or 219/544 or 219/552-553).ccls.	USPAT	OR	OFF	2007/10/26 11:14
L4	784	3 and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/26 11:14
L5	17	4 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 11:23
L6	5	5 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/26 11:24
L7	29	4 and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope)	USPAT	OR	OFF	2007/10/26 11:23
L8	7	7 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/26 11:24
S1	5	("4351388") or ("3834457") or ("5201196") or ("3786861") or ("6209625").PN.	USPAT	OR	OFF	2007/09/28 15:29
S2	2125	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls. and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/26 11:14
S3	91	S2 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/26 10:52
S4	13	S3 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/26 11:15

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S5	5122	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487 or 392/485).ccls.	USPAT	OR	OFF	2007/10/22 16:06
S6	1151	S5 and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/09/28 16:13
S7	22	S6 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/09/28 16:03
S8	78	S3 not S4	USPAT	OR	OFF	2007/09/28 16:03
S9	208750	(heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	US-PGPUB; USPAT	OR	OFF	2007/09/28 16:13
S10	10690	S9 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/09/28 16:14
S11	323	S10 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/24 12:00
S12	3693	S11 ((air near10 volume) near10 ratio)	USPAT	OR	OFF	2007/09/28 16:15
S13	3	S11 and ((air near10 volume) near10 ratio)	USPAT	OR	OFF	2007/09/28 16:15
S14	4070	((heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1)) and (phase near10 change))	USPAT	OR	OFF	2007/09/29 08:57
S15	214	S14 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/09/29 08:58
S16	1004	(165/80.3 or 165/80.4).ccls. and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:05
S17	6	S16 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:30
S18	0	S17 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:15
S19	14821	(361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03).ccls.	USPAT	OR	OFF	2007/10/22 16:00

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S20	2148	S19 and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:28
S21	14	S20 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:01
S22	1	S21 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:29
S23	4606	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/22 16:20
S24	3731	(165/80.3 or 165/80.4).ccls.	USPAT	OR	OFF	2007/10/22 16:05
S25	4606	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/22 16:06
S26	5132	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487 or 392/485).ccls.	USPAT	OR	OFF	2007/10/22 16:06
S27	0	(S19 and S23 and S24 and S25 and S26)	USPAT	OR	OFF	2007/10/22 16:08
S28	469	(S19 and S23)	USPAT	OR	OFF	2007/10/22 16:08
S29	18958	(S19 S23)	USPAT	OR	OFF	2007/10/22 16:11
S30	24555	(S19 or S23 or S24 or S25 or S26)	USPAT	OR	OFF	2007/10/24 11:51
S31	24721	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407 or 165/80.3 or 165/80.4 or 361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03 or 219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487 or 392/485).ccls.	USPAT	OR	OFF	2007/10/22 16:28
S32	5170	S31 and (heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:28

## EAST Search History

S33	491	S32 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/22 16:29
S34	17	S33 and (water and ((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope))	USPAT	OR	OFF	2007/10/22 16:31
S35	14855	(361/694-699 or 361/701-712 or 361/717-719 or 361/722 or 361/727 or 174/15.2 or 174/16.3 or 257/706-727 or 29/890.03).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S36	4607	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S37	3743	(165/80.3 or 165/80.4).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S38	4607	(165/104.11-104.12 or 165/104.17 or 165/104.23 or 165/104.21 or 165/104.26-104.28 or 165/135 or 29/890.032 or 29/890.041-890.042 or 29/890.051 or 29/890.07 or 62/489 or 219/538 or 392/407).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S39	5133	(219/552-553 or 219/541 or 219/544 or 219/444.1 or 392/480 or 392/487 or 392/485).ccls.	USPAT	OR	OFF	2007/10/24 11:51
S40	24591	(S35 or S36 or S37 or S38 or S39)	USPAT	OR	OFF	2007/10/24 11:51
S41	9	S40 and (((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope) near20 (within or inside or internal or inner)) near20 (heat\$3 near15 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/24 12:21
S42	6	S41 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/24 12:28
S43	0	S42 and (((salt near10 water) or water ((acetic near8 acid) near8 water)) near20 (within or inside or internal or inner)) near20 (heat\$3 near15 (pipe\$1 or tube\$1 or cylinder\$1)))	USPAT	OR	OFF	2007/10/24 12:29

## EAST Search History

S44	4	S40 and (((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton) near20 (within or inside or internal or inner)) near20 (heat\$3 near15 (pipe\$1 or tube\$1 or cylinder\$1)))	USPAT	OR	OFF	2007/10/24 12:11
S45	157539	(heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/24 13:30
S46	87	S45 and (((yellow near8 earth) or charcoal or gravel or zeolite or (porous\$3 near8 cotton) or ((non near8 woven) near8 fabric\$1) or cotton or rope) near20 (within or inside or internal or inner)) near20 (heat\$3 near15 (pipe\$1 or tube\$1 or cylinder\$1)))	USPAT	OR	OFF	2007/10/24 12:21
S47	19	S46 and (((wire\$3 or conductor\$1) near15 (within or inside or internal or inner or through)) near20 (pipe\$1 or tube\$1 or cylinder\$1)))	USPAT	OR	OFF	2007/10/24 12:28
S48	0	S47 and (((salt near10 water) or water ((acetic near8 acid) near8 water)) near20 (within or inside or internal or inner)) near20 (heat\$3 near15 (pipe\$1 or tube\$1 or cylinder\$1)))	USPAT	OR	OFF	2007/10/24 12:29
S49	13	S47 not S42	USPAT	OR	OFF	2007/10/24 12:29
S50	13	S49 not S44	USPAT	OR	OFF	2007/10/24 12:30
S51	0	S45 and (((porous near20 inflammable) near15 medium) and (volatile near10 (fluid\$1 or medium)))	USPAT	OR	OFF	2007/10/24 12:50
S52	0	S45 and (((particle near10 size) near10 mm) and ((air near10 volume) near10 ratio\$1))	USPAT	OR	OFF	2007/10/24 12:52
S53	1429	S45 and (((particle near10 size) near10 mm) or ((air near10 volume) near10 ratio\$1))	USPAT	OR	OFF	2007/10/24 12:53
S54	1429	S53 and ((particle near10 size) near10 mm)	USPAT	OR	OFF	2007/10/24 12:52
S55	2073	S45 and (((particle near10 size) near10 mm) or ((air near10 volume) near10 ratio\$1))	USPAT	OR	OFF	2007/10/24 12:54
S56	10	S45 and (((particle near10 size) near10 mm) and ((air near10 volume) near10 ratio\$1))	USPAT	OR	OFF	2007/10/24 12:59
S57	3	S56 and (heat\$3 near10 pipe\$1)	USPAT	OR	OFF	2007/10/24 13:00

## EAST Search History

S58	20	S45 and ((electric\$4 near10 (mat or pad or sheet)) and (adiabatic))	USPAT	OR	OFF	2007/10/24 16:44
S59	157539	(heat\$3 near10 (pipe\$1 or tube\$1 or cylinder\$1))	USPAT	OR	OFF	2007/10/24 16:45
S60	195	S59 and (((electric\$4 or heat\$3) near15 (mat or pad or sheet)) and (adiabatic))	USPAT	OR	OFF	2007/10/24 16:45
S61	11	S60 and ((adiabatic near10 (sheet or pad or mat or plate)) and (heat\$3 near8 pipe\$1))	USPAT	OR	OFF	2007/10/24 16:54
S62	171	S59 and ((electric near10 radiator) and (fin\$1 or plate\$1))	USPAT	OR	OFF	2007/10/24 16:55
S63	70	S62 and (heat\$3 near10 pipe\$1)	USPAT	OR	OFF	2007/10/24 16:55
S64	526	(219/548).ccls.	USPAT	OR	OFF	2007/10/26 10:51
S65	49	S64 and (heat\$3 near15 pipe\$1)	USPAT	OR	OFF	2007/10/25 15:58